Abbreviations and Definitions

AC advisory circular
ACO aircraft certification office
ADF automatic direction finding
ADI attitude direction indicator
AEO all engines operating
AFCS automatic flight control systems
AGL above ground level
AHRS attitude heading reference system
Amdt. Amendment
APU auxiliary power unit
ATC air traffic control
BIM blade inspection method
CAM cockpit area microphone
CAR Civil Air Regulations
CAS calibrated air speed
CBIM cockpit blade inspection method
CDP critical decision point
CG center of gravity
COTS commercial off-the-shelf
CPS cycles per second
CRFS crash resistant fuel system
CRT cathode ray tube
CVR cockpit voice recorder
DER designated engineering representative
DME distance measuring equipment
ECAS engine caution advisory systems
ECU environmental control unit
EFIS electronic flight instrument system
EFP engine failure point
EHE exhaust heat exchanger
ELT emergency locator transmitter
EMC electromagnetic compatibility
EMI electromagnetic interference
EMS emergency medical service
EOL end of life
FAA Federal Aviation Administration
FADEC full authority digital engine control
FAR Federal Aviation Regulations
FEM finite element modeling
FHA functional hazard assessment
FMEA failure mode and effects analysis
FPM feet per minute
FPS feet per second
GPS global positioning system
HF high frequency
HIRF high intensity radiated fields
HRD high rate of discharge
HUMS health and usage monitoring systems
HV height-velocity
IAS indicated airspeed
ICA instructions for continued airworthiness
ICAO International Civil Aviation Organization
ICS inter-communication system
IFR instrument flight rules
IGE in ground effect
IIDS integrated instrument display system
ILS instrument landing system
IMC instrument meteorological conditions
INS inertial navigation system
ISA international standard atmosphere
ISIS integral spar inspection system
ITT inter-turbine temperature
KCAS knots calibrated airspeed
KIAS knots indicated air speed
KTAS knots true airspeed
LDP landing decision point
LWC liquid water content
MCP maximum continuous power
MEL minimum equipment list
MGT measured gas temperature
MMEL master minimum equipment list
MSL mean sea level
MVD median volume diameter
NDI non-destructive inspection
NM nautical mile
NPRM notice of proposed rulemaking
NTSB National Transportation Safety Board
NVG night vision goggles

NVIS night vision imaging systems
OAT outside air temperature
OEI one engine inoperative
OGE out of ground effect
PBA pitch bias actuator
PCF post crash fire
PIO pilot induced oscillation
PSA preliminary safety assessment
PSIG pounds per square inch gauge
QPL qualified parts list
RFM rotorcraft flight manual
RFMS rotorcraft flight manual supplement
RPM revolutions per minute
RTCA Radio Technical Commission of Aeronautics
RVR runway visual range
SAE Society of Automotive Engineers
SAS stability augmentation system
SCAS stability and control augmentation systems
S/N stress vs. number of cycles
SRM structural repair manual
SSA system safety assessment
STC supplemental type certificate
STOL short takeoff and landing
TBO time between overhaul
TC type certificate
TCDS type certificate data sheet
TDP takeoff decision point
TIA type inspection authorization
TIR type inspection report
TOT turbine outlet temperature
TSO: technical standard order
TVP true vapor pressure
VBIM visual blade inspection method
VFR visual flight rules
VMC visual meteorological conditions
VOR very high frequency omnidirectional range radio
VSI vertical speed indicator
V/STOL vertical/short takeoff and landing
VTOL vertical takeoff and landing
WAT weight, altitude, temperature

Altitudes

H_D density altitude
H_P pressure altitude

V speeds

V_D diving speed
V_H speed in level flight with maximum continuous power
V_{MO} maximum operating limit speed
V_{NE} never-exceed speed
V_{TOSS} takeoff safety speed for Category A rotorcraft
V_X speed for best angle of climb
V_Y speed for best rate of climb
M_{MO} maximum operating mach number

N speeds

N_F free turbine speed
N_G gas generator speed
N_P power turbine speed
N_R rotor speed

Coefficients

C_D coefficient of drag
C_L coefficient of lift
C_P coefficient of power
C_T coefficient of thrust